

Db 349 PLYANVHHQKGKDEGVVYSVVHRTSKRSEARSAEFTVGRKDSIIICAEVRCLQPSEVSST 408

Qy 421 EVNMRRTLQEPLSDCEEVLC 441

||||||||||||||||

Db 409 EVNMRRTLQEPLSDCEEVLC 429

A

RESULT 4

ADF74340

ALIGNMENT #1

ID ADF74340 standard; protein; 419 AA.

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AC ADF74340;

XX

DT 26-FEB-2004 (first entry)

XX

DE Human FcRH 6 protein (SeqID 28).

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KW Fc receptor homologue; FcRH; human; chromosome 1q21-23;

KW type I transmembrane receptor; immunoglobulin; cellular immunity;

KW haematopoietic cell lineage; inflammatory; autoimmune disease;

KW humoral immune response; antiinflammatory; immunosuppressive.

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OS Homo sapiens.

XX

PN WO2003089624-A2.

XX

PD 30-OCT-2003.

XX

PF 25-MAR-2003; 2003WO-US009600.

XX

PR 25-MAR-2002; 2002US-0367667P.

XX

PA (UABR-) UAB RES FOUND.

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PI Davis RS, Cooper MD;

XX

DR WPI; 2003-854118/79.

XX

PT New isolated Fc receptor homologue (FcRH) comprising a cytoplasmic,

PT transmembrane and an extracellular region, useful for the diagnosis

PT and/or treatment of hematopoietic cell lineage, inflammatory and

PT autoimmune diseases.

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PS Claim 45; SEQ ID NO 28; 135pp; English.

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CC This invention relates to novel members of the Fc receptor homologue

CC (FcRH) subfamily mapped to human chromosome 1q21-23, as well as fragments

CC and variants thereof. Specifically, it refers to the type I transmembrane

CC receptors for the Fc region of immunoglobulins and the alternatively

CC spliced homologues, which work to modulate cellular and humoral immunity.

CC The present invention indicates that each FcRH has an extracellular

CC region, a transmembrane region and cytoplasmic region, where the latter

CC comprises one or more immunoreceptor tyrosine-based inhibitory or
CC activation motifs. As such, the methods and compositions described herein
CC are useful for the diagnosis and/ or treatment of haematopoietic cell
CC lineage, inflammatory and autoimmune diseases, as well as in the
CC modulation of a humoral immune response in a subject. Accordingly, these
CC compositions have antiinflammatory and immunosuppressive activities. This
CC polypeptide sequence is the human FcRH6 protein of the invention.

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SQ Sequence 419 AA;

Query Match 95.0%; Score 2222; DB 1; Length 419;
Best Local Similarity 100.0%;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      23 KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLSTMGAATV 82
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLSTMGAATV 60

Qy      83 QSRGQYSCSGQVMYIPQFTTQTSETAMVQVQELFPPPVLSAIPSPREGSLVTLRCQTK 142
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      61 QSRGQYSCSGQVMYIPQFTTQTSETAMVQVQELFPPPVLSAIPSPREGSLVTLRCQTK 120

Qy     143 LHPLRSALRLLFSFHKDGHTLQDRGPHPELCIPGAKEGDSGLYWCEVAPEGGQVQKQSPQ 202
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     121 LHPLRSALRLLFSFHKDGHTLQDRGPHPELCIPGAKEGDSGLYWCEVAPEGGQVQKQSPQ 180

Qy     203 LEVRVQAPVSRPVLTLHHGPADPAVGMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC 262
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     181 LEVRVQAPVSRPVLTLHHGPADPAVGMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC 240

Qy     263 GGTTSLLFPVKSEQDAGNYSCEAENSVSRRERSEPKKLSLKGSQVLFPTASNWLVPWLPAS 322
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     241 GGTTSLLFPVKSEQDAGNYSCEAENSVSRRERSEPKKLSLKGSQVLFPTASNWLVPWLPAS 300

Qy     323 LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKGKDEGVVYSVVH 382
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     301 LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKGKDEGVVYSVVH 360

Qy     383 RTSKRSEARSAEFTVGRKDSSIIICAEVRCLQPSEVSSTEVMNRSRTLQEPLSDCEEVLC 441
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     361 RTSKRSEARSAEFTVGRKDSSIIICAEVRCLQPSEVSSTEVMNRSRTLQEPLSDCEEVLC 419
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RESULT 5

ADQ81888

ID ADQ81888 standard; protein; 413 AA.

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AC ADQ81888;

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DT 15-JUN-2007 (revised)

DT 21-OCT-2004 (first entry)

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